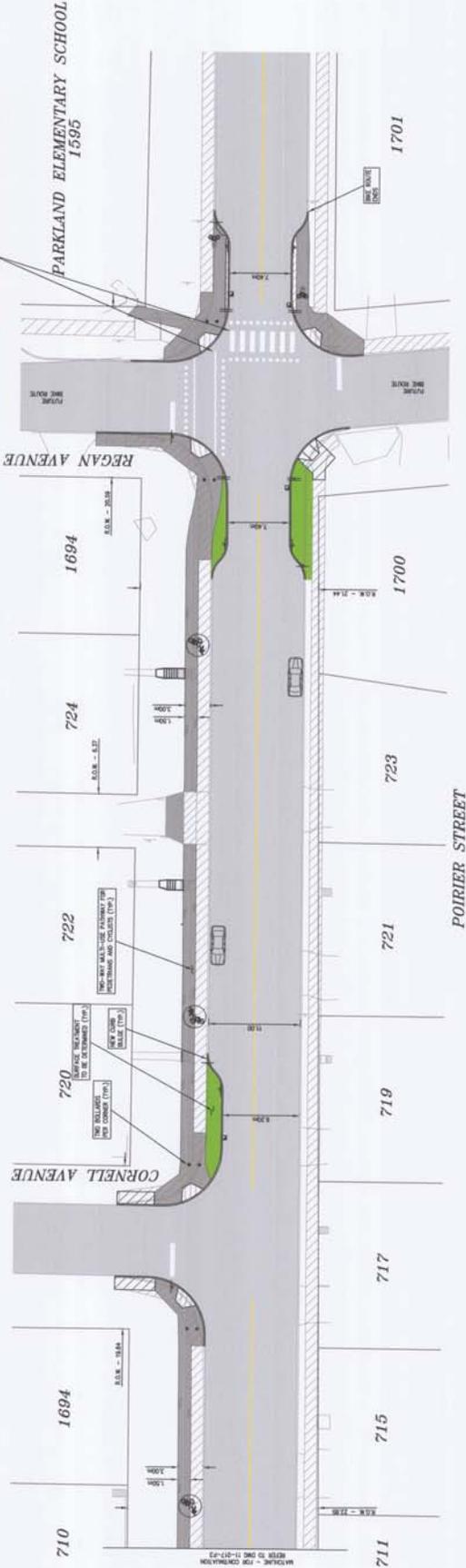




CONCEPT PLAN



0 1250 10

<p><b>R.F. BINNIE &amp; Associates Ltd</b>                  205 - 4640 Canada Way                  Burnaby, BC V5A 4R7                  P: 604-430-1721                  F: 604-430-4743                  www.binnie.com</p>		<p><b>CITY OF COQUITLAM</b>                  Engineering Department</p>																					
<p><b>BINNIE</b>                  Engineering • Project Management • Geomatics</p>		<p>POIRIER STREET UPGRADE                  CONCEPT PLAN                  HOUSE #710 - REGAN AVE</p>																					
<p>• Burnaby • Courtenay • Qualicum Beach • Sechelt • Squamish • Surrey •</p>		<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>CHK'D</th> <th>COMMENTS</th> </tr> <tr> <td>3</td> <td>2017-04-11</td> <td>CS</td> <td></td> <td>REVISED AS PER CITY COMMENTS</td> </tr> <tr> <td>2</td> <td>2017-03-11</td> <td>CS</td> <td></td> <td>REVISED AS PER CITY COMMENTS</td> </tr> <tr> <td>1</td> <td>2017-01-11</td> <td>CS</td> <td></td> <td>REVISED AS PER CITY COMMENTS</td> </tr> </table>		NO.	DATE	BY	CHK'D	COMMENTS	3	2017-04-11	CS		REVISED AS PER CITY COMMENTS	2	2017-03-11	CS		REVISED AS PER CITY COMMENTS	1	2017-01-11	CS		REVISED AS PER CITY COMMENTS
NO.	DATE	BY	CHK'D	COMMENTS																			
3	2017-04-11	CS		REVISED AS PER CITY COMMENTS																			
2	2017-03-11	CS		REVISED AS PER CITY COMMENTS																			
1	2017-01-11	CS		REVISED AS PER CITY COMMENTS																			
<p>DATE: _____</p>		<p>DATE: _____</p>																					
<p>PROJECT NO: _____</p>		<p>PROJECT NO: _____</p>																					
<p>CONTRACT NO: _____</p>		<p>CONTRACT NO: _____</p>																					
<p>CONTRACTOR: _____</p>		<p>CONTRACTOR: _____</p>																					
<p>DATE: _____</p>		<p>DATE: _____</p>																					



CONCEPT PLAN



**BINNIE**  
 Engineering • Project Management • Geomatics  
 • Burnaby • Courtenay • Qualicum Beach • Sechelt • Squamish • Surrey •

R. F. Binnie & Associates Ltd.  
 205 - 4946 Canada Way  
 Burnaby, BC V5G 4H7  
 T: 604-430-4743  
 F: 604-430-4743  
 www.binnie.com

This study was prepared for the City of Coquitlam. It is not to be used for any other purpose without the written consent of the City of Coquitlam. The City of Coquitlam is not responsible for the accuracy or completeness of the information provided herein. The City of Coquitlam is not responsible for the accuracy or completeness of the information provided herein.

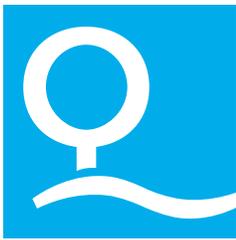
REV#	DATE	BY	CHKD	DESCRIPTION
1	SEP 21-11	CS		REVISED AT PER CITY COMMENTS
2	SEP 13-11	CS		REVISED AT PER CITY COMMENTS
3	SEP 13-11	CS		REVISED AT PER CITY COMMENTS

DESIGNED - CS  
 DRAWN - CS  
 CHECKED - CS  
 DATE - 11/01/11  
 APPROVED -  
 DATE -

CITY OF COQUITLAM  
 POIRIER STREET UPGRADE  
 CONCEPT PLAN  
 SPRUCE AVE - MILFORD AVE

Engineering Department  
 FILE -  
 CONSULTANTS  
 DATE - 11/01/11  
 CITY  
 SHEET 2 OF 3





# Poirier Streetworks

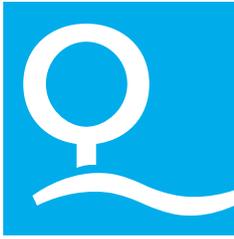
## Finishing the Street!



Poirier between Smith and Foster requires pavement rehabilitation. This street, a designated bike route is also located in one of the City's key pedestrian precincts including the Poirier Sport & Leisure Complex, Library, Parkland Elementary school and residential area. This project yields cost saving opportunities by finishing the street and improving facilities for all modes of users.



*Poirier Sport & Leisure Complex, Coquitlam Public Library, Poirier Community Centre, Centennial Secondary School and Dogwood Pavilion all reside along the Poirier corridor where these improvements will be made.*



# Poirier Streetworks

## Existing Conditions



**Poirier Street looking North from the Poirier Sport and Leisure Complex to Foster Avenue**

- ❖ Existing centreline does not line up, the new design will align the whole stretch



**Poirier Street looking North to Smith Avenue**

- ❖ Off-set curb alignments more visible
- ❖ Pedestrians shown in photo indicate a need for facilities on this side of the street



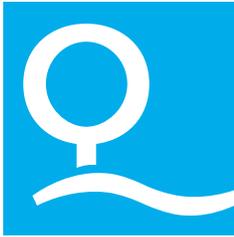
**Poirier Street looking North at Smith Avenue**

- ❖ Recent construction narrowed the west side road from 13.5 metres wide to 11 metres wide North of Smith.
- ❖ The improvements will align the two sections with new concrete curb, gutter and sidewalk
- ❖ Parking will be maintained on both sides of the street



**Poirier looking South from Cornell to Smith**

- ❖ Existing sidewalks in this section will be maintained
- ❖ A wider facility can be used by both pedestrians and cyclists



# Poirier Streetworks Multi-Use Pathway

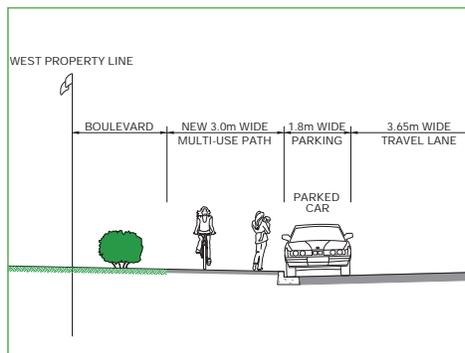


A new 3-metre wide multi-use pathway will be installed along the West side of Poirier to compliment the existing sidewalk on the East side of the street.

A multi-use pathway is a path wide enough to accommodate both pedestrians and cyclists. In this case, the path is twice as wide as a standard 1.5 metre wide sidewalk.



*Image shows existing 1.5 metre wide sidewalk and proposed new multi-use pathway width.*



*Sample schematic of a typical multi-use pathway that provides space for both pedestrian and cyclist use.*

## Sidewalk Maintenance

According to the Boulevard Maintenance Bylaw, residents are required to keep the sidewalks in front of their homes clear of snow and debris for pedestrians.

With the installation of a multi-use pathway, residents will only be required to clear a 1.5 metre area as before.

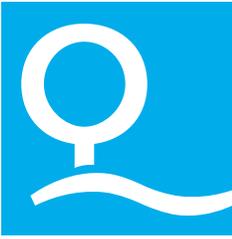
Stencils on the path and signs will indicate that pedestrians and cyclists will share the space.

This proposed new pathway extends from Foster to Regan, which leads to Parkland Elementary School.

The improved pathway will make cycling, to school or the Poirier Sport & Leisure Complex, along Poirier a better option for beginner and novice cyclists who wish to be off of the roadway. In addition, more experienced cyclist may continue to use the roadway.



*Existing multi-use pathway in Coquitlam.*



# Poirier Streetworks

## Curb Extensions



Curb extensions create a bump-out at intersections to reduce the road width and can be located on both or on one side of the street.

The reduced width improves visibility, creates shorter crossing distances, improving pedestrian safety and can help as a speed management measure.

The new curb extensions will not impact snow clearing or street sweeping.



*Sample curb extension at a crosswalk to reduce road width and increase visibility.*



*The curb extensions occupy the "No Parking" area and will not eliminate any legal parking spaces.*

The curb extensions will have the effect of producing permanent parking enforcement at intersections and improve driver and pedestrian visibility and safety at intersections.

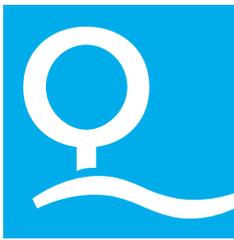
It is for this reason that even with the new curb extensions, no legal parking space will be lost to residents in the area.

### Parking

The length of the extension is the same as the legal distance that one must park away from a corner or crosswalk as required under the Street and Traffic Bylaw.



*The curb extensions can be landscaped.*



# Poirier Streetworks

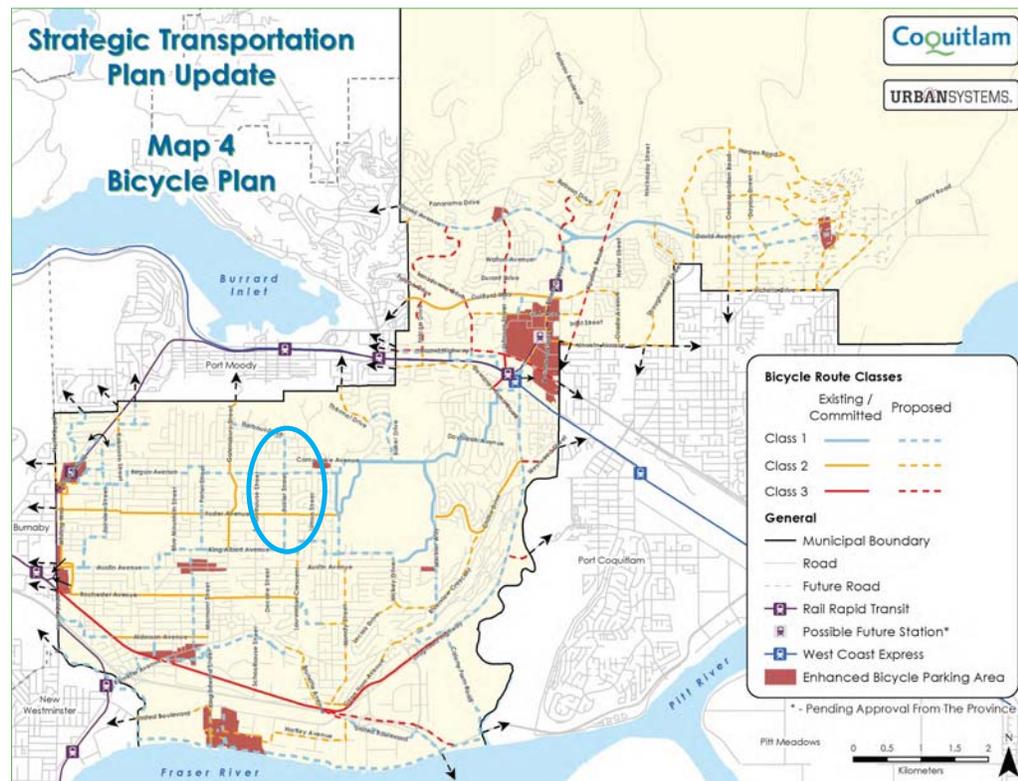
## Connecting the Cycling Route



Poirier Street is identified as a future bicycle route. Implementing the multi-use pathway will contribute to the completion of the bike network in Coquitlam.

Additionally, the Poirier Street bike route also intersects with two other routes. The other two routes that are intersected are:

- ❖ Foster Street (*completed route*)
- ❖ Regan Street (*future route*)



*Poirier Street is identified as a bike route, this project will complete a part of the bike route and connect to other routes.*

*Poirier will connect other local bike routes.*

The multi-use pathway provides an environment for beginner and novice cyclists to ride. Crosswalks which connect to the multi-use pathway will be modified with dotted lines indicating that cyclists may ride within the crosswalk.



# Poirier Streetworks

## Next Steps



- ❖ Feedback from this open house will be considered and a final street improvement plan brought forward to Council for consideration.
- ❖ If approved by Council, the design will then be given to the Engineering Design & Construction Division for implementation.
- ❖ Construction is estimated to begin in Spring 2012.